

Technical Area

The invention "BIO Neutralizer-Transformer" is a newly constructed device, which is assigned for protection of the entire living world from electromagnetic radiation. The most frequent sources of electromagnetic micro radiation are:

5 - Disturbed geopathogenic zones which originate from underground flowing water, geological anomalies, concentration of ores, minerals and other known or unknown sources of radiation that have geological origin, further on referred to as geopathogenic radiation.

10 - Cosmic radiations, among them are: Kari's, Hartman's and S - radiations that originate from cosmos, further on referred to as "cosmic radiations".

15 Technical source of radiation that nowadays originate from technical devices that we come across everyday, such as: transmission lines, transformers, all types of transmitters, indoors technical devices, machines at working places and others, further on referred to as "technical sources of radiation".

20 According to the *International Patent Classification* (IPC), the subject matter of the device is classified and designated with the symbol G12B17/02.

Technical Problem Solved by the Invention

- Physiological effect of electromagnetic field

25 As it is known in living organisms electrical processes have important role and represent significant indicator for aberrations and disturbances of various cell structures. Every withdrawal of bio-elementary norms at cellular level represents certain indicator of cell malfunction.

30 For regular cell function it is necessary that it contain at least 60 microelements and over 100,000 enzyme molecules which purpose is to carry out over 2000 various biochemical reactions of energetic type or of similar type that happen in exactly determined sequence.

35 In the course of these biochemical reactions, an electromagnetic field is created. During the protein synthesis (because there is a connection of same molecules) homogenous electromagnetic field is created so that negative electricity is present. In all 40 homogenous cells, regularly, exactly determined electricity is present, but, now, we are in condition accurately to determine them. In addition, it is known that certain organs possess a feature to accumulate certain ions, for instance: thyroid-iodine, kidney-cadmium, retina-barium etc.

45 It is well known that in cells oxide-reduction processes take place which produce energy as output, so that basic energetic substances are adenosine three-phosphates. Biological cell membrane represents basic functional and regulative part of cell in which main mechanisms for transformation and transmission of the electric micro energy from chemical into electrical is carried out. This is so-called receptor potential.

50 During these processes, electromagnetic fields are created around cell.

In these case normal dynamics of mutual transformations of energy is followed, as we started with appearance of adequate electromagnetic fields, which are characterised with morph-biological fields, genetically conditioned by the cell of an organ. This is the source for the thesis that human being is to be considered as fundamental, natural energetic, functional final model composed of many bio elements which are in perfect correlation of biological processes, which direct the synthesis of cells of life.

55 In these processes basic substances are oxygen, carbon, hydrogen and nitrogen, and depending on their combination, they determine the structural level of molecules in which are implanted calcium, potassium, sodium, steel, magnesium and a lot of oligo-elements.

55 Here the most essential thing is that same elements depending on their structure have different intermediary and functional effect. For instance oligo-element zinc plays important role in function of the sex glands, and in growth, development and metabolism of carbon-hydrogen. Cobalt has direct relation in creating of the blood elements as well as in growth, development and creation of some hormones. Copper, also, plays an important role in oxide-reduction processes an in maintenance of vitamin balance in an organism. These examples are pointed out in order to be comprehended the importance of these elements, which count 50% in our cells, for the life of cells.

60 From the above stated it is clear that each withdrawal or misbalance of these bio element in an organism will result in disturbance of the energetic balance, as well as disturbance of the energetic balance, as well as disturbance of the oxide-reduction processes and cells. In such a way synthetical function of cells is disturbed, especially the one of proteins, therewith the function of cell membrane is disturbed. This results in disturbance of cell ability to convert the chemical energy into electrical.

65 As a result of the presence of electromagnetic radiation, *The Research Centre "Sunray"* from Skopje, Macedonia, has carried out the following researches:

- An insight and detection of residences of over 1000 ill with malignant diseases or deceased persons was made;
 - Statistics result were: 95% deceased persons or ill with malignant illnesses 70 were exposed to increased electromagnetic micro radiation in their homes or at working places. Main sources of the presence of increased electromagnetic micro radiation were geo-pathogenic, cosmic and technical radiation.

75 Without doubt we can summarise that electromagnetic micro radiation cause depolarization of the cell membrane, disturbing the function of sodium-potassium pump and therewith all the above mentioned processes.

Depending on the genetic material, type of radiation, intensity and length of exposure, types of illnesses vary.

These electromagnetic micro radiations also play important role with the rest of the living world.

80 Assuming the danger for the entire living world from electromagnetic micro radiation the author, **Stojan Velkoski**, Bachelor in Mechanical Engineering, founder and present director of *The Research Centre "Sunray"* from Skopje, Macedonia has invented a new device for protection from the above elaborated radiations.

85 The device called "**BIO Neutralizer-Transformer**" does neutralization and transformation of the mentioned harmful radiation from harmful into beneficial for the purpose of a normal cellular bio-development.

90 Fulfilled researches for function of the device has proved considerable positive results. With device's application next to the transmitters of mobile and relay telecommunications, results were reached that showed that the strength of harmful electromagnetic field was reduced to 68%. In addition, results from the device's usage in family residences and working premises proved positive. Statistic processing of the rendered results shows that by appliance of "**BIO Neutralizer-Transformer**" almost entirely vanish greater number of negative symptoms such as: headaches after sleeping and similar, and even full disappearance or reduced advance of certain types of 95 diseases. For cattle, with the device's usage the death rate of calves due to bronchial-pneumonia was reduced to 70%, and at the same time application of medicaments was reduced to 80%.

These, as well as numerous similar results accredit the conclusion that this is a unique device, regarding its function and effectiveness, in our country and worldwide.

100 **Previous Condition of Techniques**

In the area of geobiology, i.e. protection from harmful electromagnetic micro radiation it is assumed that there are 3 sources of radiation as follows:

105 -*Geo-pathogenic radiation* that originates from disturbances of the geological structure and appearance of electromagnetic micro waves (for example: concentration of ores, minerals, geological cracks, faults, underground flowing waters, etc);

-*Cosmic radiation*, such as Kari's, Hartman's and S-nets.

-*Technical radiation* that most frequently originates from all sorts of transmitters, transmissions lines, transformers as well as other technical devices used in family residences or working places or near them.

110 So far, only several devices for the purpose of protection from such sources of radiation are created worldwide. They can be divided into these three groups:

115 1. *Devices that do certain cultivation, of space because of their shape, colour or material used for their construction.* They positively influence the space. It is known that the shape of things can make positive influence on space, for example the way the Keops' pyramid does, French Equalybrocorrector and so on. As long as we use any such type of these devices, positive influence is present, but harmful electromagnetic radiation continues to exist. In that case, we have gained certain cultivation of space but still not protection of the same.

120 Measurements for these devices are carried out empirically only, whereas technical detection is unavailable.

125 Devices that have the possibility of reflecting harmful electromagnetic micro radiation. Referentially, here are included especially constructed plates, such as the device called "BIO-Saner" and similar. Plates are placed over the zone of geo-pathogenic radiation, taking into consideration the placement of world sides. In that case, the geo-pathogenic radiation shifts laterally related to the existent location, and that displacement is about 2 meters. The radiation is shifted in a security zone then.

130 2. The application of this type of devices can negatively influence space that previously was considered safe. In this group also, proofing function is empirically carried out.

135 3. *Devices that protect from harmful electromagnetic micro radiation*, whose effects are measurable by already existing, specially constructed measurement instruments. This is the example with casting of leaden plates in foundations of particular structures under construction, which is a protection measure against harmful geo-pathogenic micro radiation. Another type of protection measure are specially designed protective overalls that protect the user from technical radiation but they are quite clumsy and inappropriate for use in different occasions.

140 These three types of protection have proved to be either not efficient enough or to have restricted use.

Disadvantages of the above mentioned types of protection as well as the presence of harmful electromagnetic micro radiation in our every day lives has brought about the need for construction of a new device with the following features:

- To be really *efficient*;
- To be easily *applicable* to all spheres of living;
- To be *protective* from a wide range of radiation;
- To possess *efficiency* that is measurable by existent apparatus in order to avoid possible manipulations with the "placebo" effect.

145 The only device that meets all these needs and features is the newly constructed "BIO Neutralizer-Transformer".

150 **Technical Description of the Device**

Mentioned problem for protection from harmful electromagnetic micro radiation is solved by the construction of "BIO Neutralizer-Transformer", which is assembled by the elements shown on the figure 6:

- 155 (1) Printed circle which at the same time serves as a platform for all the other device's elements;
- (2) Six inductive antenna silencers, but depending on the need the number of silencers can be 5 (see figure 4 and figure 5);
- 160 (3) Six edges (legs) made of an insulating material that meet in a common centre where they form the main device's holder (stand) on which other elements are mounted;
- (4) Two crossed dipole-antennas made of thin copper varnished wire;
- (5) Thin copper wires which are placed on each edge (leg) and form antenna receivers-transmitters;
- (6) Induction coil with antenna receiver-transmitter;
- 165 (7) Condenser C1 whose end is connected with the printed circle (1) under the induction coil, whereas the other end is connected with one end of the two crossed dipole-antennas;
- (8) Condenser C2 which is connected with the printed circle (1), while the other end is connected with the second crossed dipole-antenna;
- 170 (9) Induction coil L1, which is connected with one end of the induction spirals L2 and L3;
- (10) Induction spirals L2 and L3, which are connected with one side of the cast closed induction coil L1 whereas other ends are connected with the device's chassis;

More detailed description of the device is accomplished with explanation of the enclosed drawings marked from 1 to 6 i.e. in accordance with the technical description of the device in items from 1 to 10 (previous section) shown on figure 6.

175 **Example of Device's Construction**

On figure 1 a printed circle which serves as element's platform, mounted in this device is presented. However, apart from this position the printed circle functions as such element. Figure 2 shows the connection between elements number 2 and 3.

- 180 Inductive antenna silencers (number 2) are casted in square shape with rounded edges or in half-spherical form on which are placed two dipole antennas (figure 6). Elements number 3 from figure 2 are made of an insulating material in square or cylindrical shape and hold elements number 2 in such way that they act as a frame that is tightened on base already shown on figure 1. On figures 3 and 4 sections of the mounted frame on elements number 3 with the base (figure 1) is shown. On figure 3, the model with 6 inductive antenna silencers is presented, while on figure 4 the same combination but with 5 inductive antenna silencers is shown. In both cases positions of the crossed dipole antennas are shown, which on the upper side of frame form angles of 45 degrees relative to inductive antenna silencers. On figure 5 a view from the top is shown that promotes the relation between the frame and the base. On figure 6, the device in its functional appearance is presented. Printed circle 1 plays the role of a platform for other elements moreover it is a printed circle used for discharging of positive and negative electricity.
- 185 In the central part there is a square printed base where one of the six edges from number 3 is fixed, whereas on each of this edges, four thin copper wires that form antenna receivers-transmitters are mounted. The inductive antenna silencers serve as a base of the two crossed dipole antennas, as well as for the purpose of producing induction for the same. An induction coil with the antenna transmitter is fixed on a designated point of printed plate 1. The same coil is connected with one end of the

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200 condenser C1. The condenser C1 with its other end is connected with one of the dipole antennas. Condenser C2 is connected with one side of printed circle 1, whereas with the other end with the end of the second crossed dipole antenna. The induction coil L1 is placed on the opposite of C1, and is connected with the two induction coils L2 and L3. The induction coils of the other end are connected with the device's chassis.
205 Trained, authorized personnel connects all the elements, based on positive and negative polarity. The device "**BIO Neutralizer-Transformer**" incorporates all listed elements, assembled in the above-depicted manner. For its function the device uses magnetic field of the earth and cosmic energy only.

Application of the Device
210 Application of the device "BIO Neutralizer-Transformer" is the following: The device is intended for the purpose of bio-protection of people, animal and plants. It is applicable to all kinds of dwelling and working premises, sport-recreation centers, hospitals, schools, rehabilitation centers, radio and TV centres, kindergardens, aged people houses, poultry and cattle farms, and other buildings. The device is applicable to the
215 automobile, ship and aircraft traffic. It effectively transforms a wide range of radiations harmful to health. Radiations are neutralized and transformed into healthy influence for a normal bio-development. Device's capacity proportionally determines the zone dimension in the space where protection is active. Existence of actual bio-protection that is achieved with device's usage through a series of measurements with up-to-date
220 measurement apparatus on terrain is proved. In addition, through device's usage in different objects (working premises, family residences, animal farms and so forth), this protection is experimentally proved and supported with references.